

CUSTOMER REFERENCE

## Solution Dyed Nylon Tiles

Sample description as provided by customer

Order No. **APL 10A**

Mass/unit area / oz/yd<sup>2</sup> **680 g/m<sup>2</sup>**

Pile Fibre Content **100% STATRON SOLUTION DYED NYLON**

Construction Details **Tufted Secondary Backing Tile Bitumen Backing**

Colour **770 Meteor**

Style **Hi Lo Loop Pile**

Pile Height **4.5 mm**

**THE SAMPLES TESTED WERE MODULATED CARPET**

**TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10a of the Building Code of Australia.**

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **19/10/2010**

Test Date **6/11/2010**

### ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **ROBERTS GHM G3 444** adhesive.

Substrate : **Non-combustible**

Substrate - **6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**

Sample Cleaned as Specified in ISO 11379:1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **6.2 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **6.1 kW/m<sup>2</sup>**  
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>6.1</b>	<b>7.2</b>	<b>6.1</b>	<b>6.5</b>
Smoke Development Rate (%.min)	<b>316</b>	<b>349</b>	<b>371</b>	<b>345</b>

The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

## MEAN CRITICAL RADIANT FLUX **6.5 kW/m<sup>2</sup>**

## MEAN SMOKE DEVELOPMENT RATE **345 percent-minutes**


OBSERVATIONS The samples shrunk away from the heat source, ignited and burnt a short distance



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Technical Manager

DATE: 6/11/2010

Measurement Science & Technology No. 15393  
This document is issued in accordance with NATA's accreditation requirements.



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This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

The values on Page 2 have no relevance to the Code.

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